

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E41277

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Harbour Pointe

Survey Type : Online

Street : 6500 Harbour Heights Pkwy

Response Rate : 72%

Jurisdiction : City of Mukilteo

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 15.5%

Drive Alone Rate : 84.5%

One-Way VMT per employee : 17.4

Average One-Way distance home to work : 19.8

Employees and Survey Response Information

Reported Total Employees at Worksite: 1,532

Surveys Distributed : 1,232

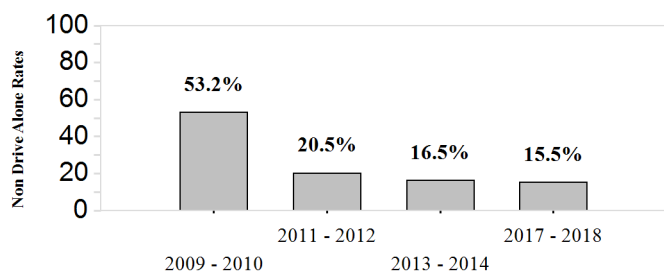
Surveys Returned : 883

Surveys Returned by CTR Affected* Employees : 833

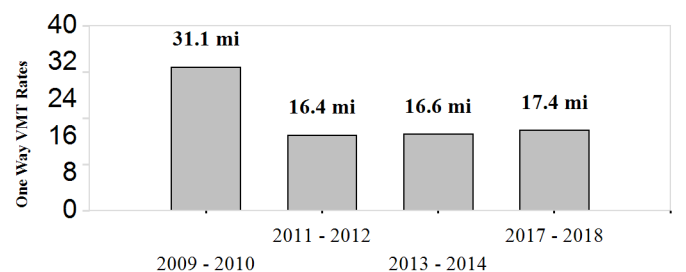
Total Estimated CTR Affected Employees at Worksite : 1,162

*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

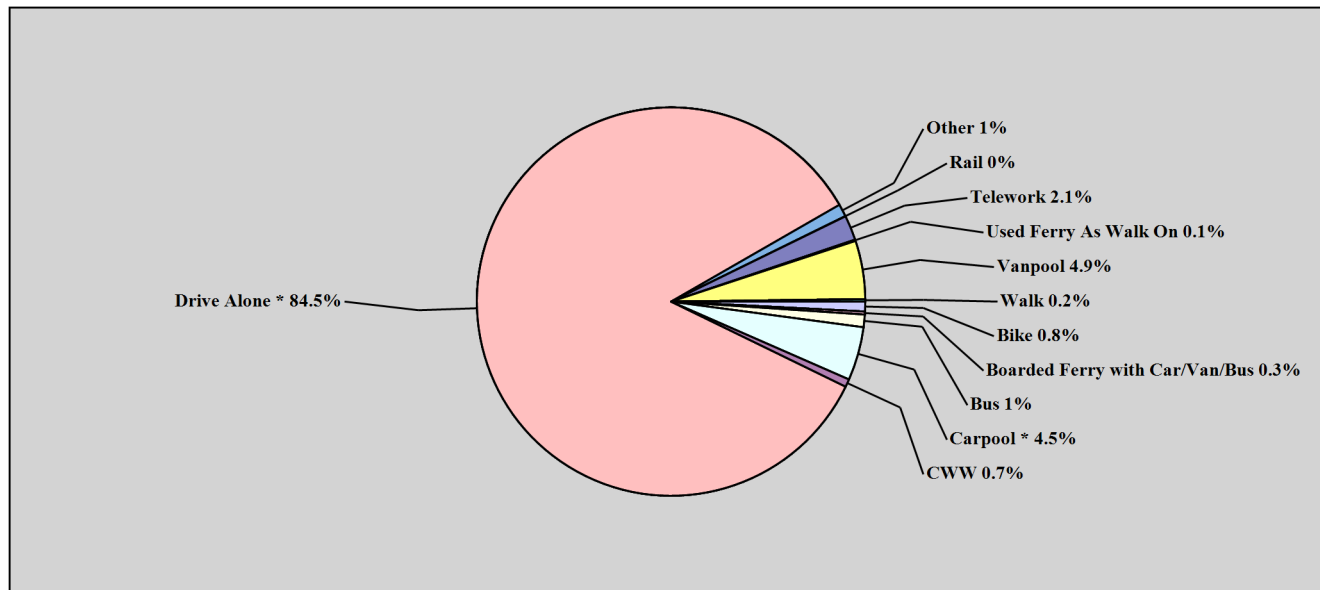
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009 - 2010	29.6%	29.6%	992	1877	10.8	15.0	15.0
2009 - 2010	23.6%	23.9%	726	1706	9.8	16.1	16.1
2011 - 2012	20.5%	20.5%	1574	5655	32.5	16.4	16.2
2013 - 2014	16.5%	16.9%	2506	5474	31.5	16.6	16.6
2015 - 2016	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2017 - 2018	15.5%	15.7%	3330	5777	33.2	17.4	17.3
Target	35.6%				Target:	12.3	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-14.1				% Change from Baseline:	16.0%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



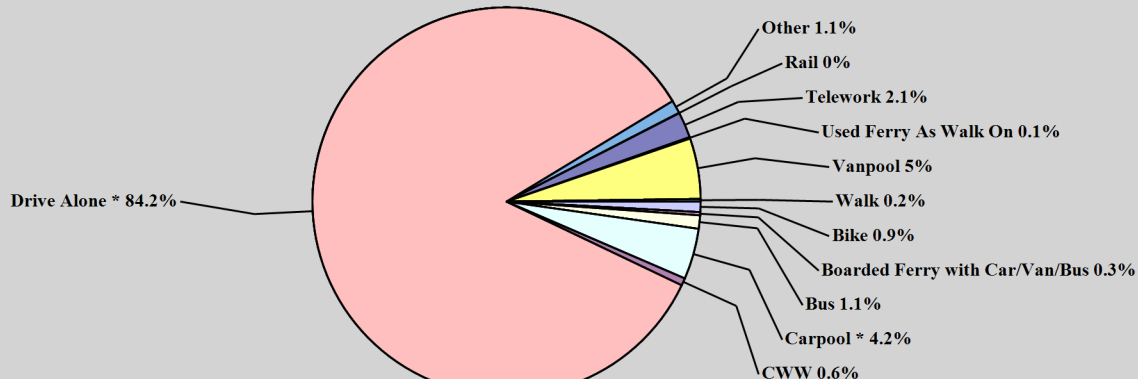
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,640	84.5%	83.5%	814	92.2%	90.2%
Carpool *	192	4.5%	7.0%	77	8.7%	9.8%
Vanpool	209	4.9%	2.8%	49	5.5%	3.5%
Bus	45	1.0%	1.6%	13	1.5%	2.2%
Rail	1	0.0%	0.0%	1	0.1%	0.0%
Bike	35	0.8%	0.5%	14	1.6%	1.0%
Walk	9	0.2%	1.0%	2	0.2%	1.2%
Telework	89	2.1%	2.1%	67	7.6%	6.1%
CWW	28	0.7%	0.6%	21	2.4%	2.3%
Boarded Ferry with Car/Van/Bus	11	0.3%	0.3%	4	0.5%	0.4%
Used Ferry As Walk On	5	0.1%	0.5%	1	0.1%	0.4%
Other	45	1.0%	0.2%	17	1.9%	0.6%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,423	84.2%	83.1%	767	92.1%	89.7%
Carpool *	172	4.2%	7.2%	71	8.5%	10.0%
Vanpool	205	5.0%	2.9%	48	5.8%	3.7%
Bus	45	1.1%	1.7%	13	1.6%	2.3%
Rail	1	0.0%	0.0%	1	0.1%	0.0%
Bike	35	0.9%	0.6%	14	1.7%	1.1%
Walk	9	0.2%	0.9%	2	0.2%	1.1%
Telework	87	2.1%	2.2%	65	7.8%	6.2%
CWW	25	0.6%	0.3%	18	2.2%	1.7%
Boarded Ferry with Car/Van/Bus	11	0.3%	0.3%	4	0.5%	0.5%
Used Ferry As Walk On	5	0.1%	0.5%	1	0.1%	0.5%
Other	45	1.1%	0.2%	17	2.0%	0.6%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	651	74%	883	100%
1 Days	73	8%	232	26%
2 Days	38	4%	159	18%
3 Days	31	4%	121	14%
4 Days	29	3%	90	10%
5 Days	58	7%	61	7%
6 or More Days	3	0%	3	0%

Count by Occupancy of Carpools and Vanpools

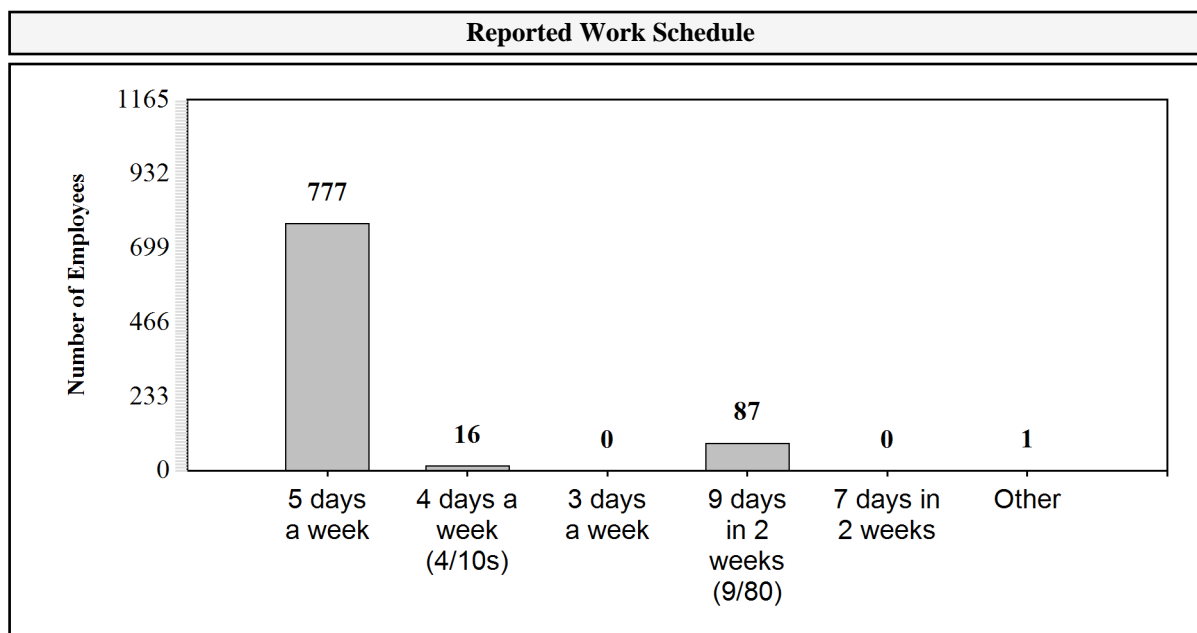
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	173
3	Carpool	14
4	Carpool	4
5	Carpool	0
>5	Carpool	1
<5	Vanpool	67
5	Vanpool	32
6	Vanpool	16
7	Vanpool	30
8	Vanpool	32
9	Vanpool	22
10	Vanpool	0
11	Vanpool	0
12	Vanpool	5
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	5

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

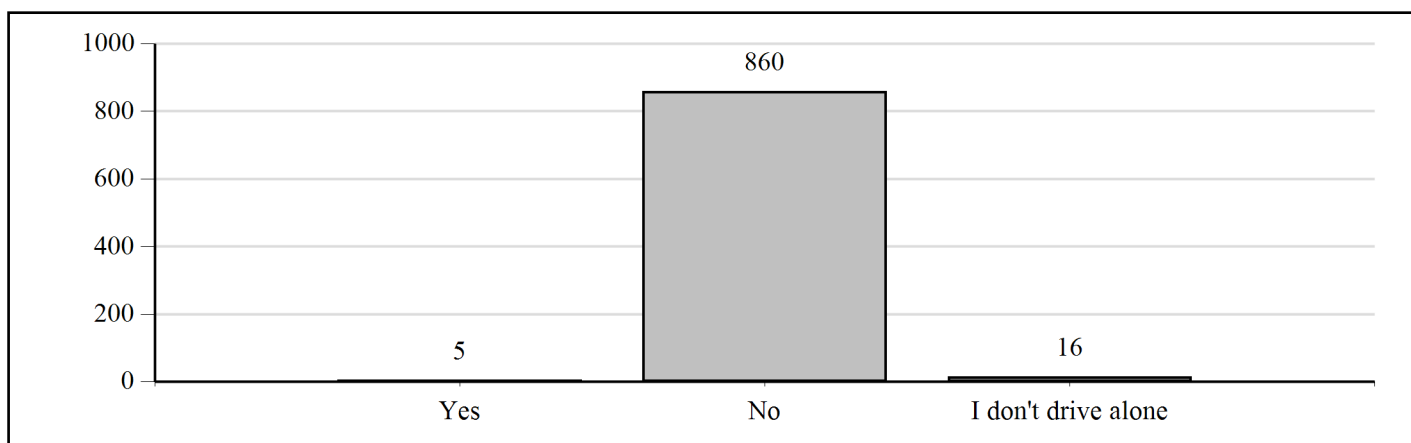
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	777	88.2%
4 days a week (4/10s)	16	1.8%
3 days a week	0	0%
9 days in 2 weeks (9/80)	87	9.9%
7 days in 2 weeks	0	0%
Other	1	0.1%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	4	0.5%
I don't telework	398	45.1%
Occasionally, on an as-needed basis	398	45.1%
1-2 days/month	46	5.2%
1 day/week	29	3.3%
2 days/week	3	0.3%
3 days/week	5	0.6%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save time using the HOV lane	233	13.0%
To save money	229	12.7%
I have the option of teleworking	229	12.7%
Personal health or well-being	203	11.3%
Environmental and community benefits	168	9.3%
Financial incentives for carpooling, bicycling or walking.	143	8.0%
Free or subsidized bus, train, vanpool pass or fare benefit	143	8.0%
Other	138	7.7%
Cost of parking or lack of parking	93	5.2%
Driving myself is not an option	80	4.4%
Preferred/reserved carpool/vanpool parking is provided	68	3.8%
Emergency ride home is provided	61	3.4%
I receive a financial incentive for giving up my parking space	10	0.6%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	655	28.6%
I like the convenience of having my car	551	24.1%
Family care or similar obligations	332	14.5%
Other	238	10.4%
My commute distance is too short	183	8.0%
Bicycling or walking isn't safe	153	6.7%
My job requires me to use my car for work	115	5.0%
I need more information on alternative modes	54	2.4%
There isn't any secure or covered bicycle parking	9	0.4%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98012	59	6.68%	285	8	0	3	0	0	0	0	4	0	0	0	0
98275	58	6.57%	246	4	0	1	5	0	7	2	11	0	1	0	11
98208	50	5.66%	230	10	0	0	0	0	9	0	1	1	0	0	0
98103	37	4.19%	146	12	4	2	3	0	0	0	2	0	0	0	3
98203	32	3.62%	143	5	0	2	3	0	0	0	2	1	0	0	1
98258	29	3.28%	133	2	0	0	0	0	0	0	3	0	0	0	1
98290	27	3.06%	92	28	0	0	0	0	0	0	2	0	0	0	0
98115	26	2.94%	112	8	8	0	0	0	0	0	1	0	0	0	1
98296	26	2.94%	106	4	2	5	0	0	3	0	4	3	0	0	0
98026	24	2.72%	99	5	0	6	0	0	3	0	5	0	0	0	0
98117	24	2.72%	91	5	10	2	0	0	1	0	2	1	0	0	5
98270	21	2.38%	89	0	0	14	0	0	0	0	2	0	0	0	0
98011	18	2.04%	78	0	0	0	0	0	0	0	3	0	0	0	0
98033	18	2.04%	81	6	0	0	0	0	0	0	2	2	0	0	0
98036	17	1.93%	73	2	0	0	0	0	2	0	2	1	0	0	0
98072	17	1.93%	74	5	0	0	5	0	0	0	1	1	0	0	0
98107	17	1.93%	68	6	8	2	0	0	0	0	0	1	0	0	2
98006	16	1.81%	43	2	26	0	0	0	0	0	3	0	0	0	0
98034	16	1.81%	76	3	0	0	0	0	0	0	0	0	0	0	0
98201	14	1.59%	68	1	0	0	0	0	0	0	1	0	0	0	0
98204	14	1.59%	68	0	0	0	0	0	0	0	1	2	0	0	0
98037	13	1.47%	60	0	0	0	1	0	0	0	1	0	0	0	0
98021	12	1.36%	53	3	0	3	0	0	0	0	0	0	0	0	0
98052	12	1.36%	51	0	0	0	1	0	0	0	1	1	0	0	0
98133	12	1.36%	50	5	0	2	0	0	1	0	0	1	0	0	0
98223	12	1.36%	55	3	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98271	12	1.36%	52	8	0	0	0	0	0	0	0	0	0	0	0
98028	11	1.25%	52	0	0	0	0	1	0	0	1	0	0	0	0
98155	11	1.25%	52	2	0	0	0	0	0	0	0	1	0	0	0
98058	10	1.13%	15	0	33	0	0	0	0	0	0	1	0	0	0
98125	10	1.13%	50	0	0	0	0	0	0	0	0	0	0	0	0
98042	8	0.91%	18	2	19	0	0	0	0	0	0	0	0	0	0
98087	8	0.91%	33	4	0	0	0	0	1	0	0	1	0	0	0
98027	7	0.79%	23	0	5	0	0	0	0	0	1	1	0	0	0
98029	7	0.79%	24	1	9	0	0	0	0	0	1	0	0	0	0
98005	6	0.68%	28	0	0	0	0	0	0	0	1	1	0	0	0
98077	6	0.68%	24	5	0	0	0	0	0	0	0	0	0	0	0
98122	6	0.68%	22	0	3	0	5	0	0	0	0	0	0	0	0
98236	6	0.68%	11	0	0	0	2	0	7	0	1	0	4	5	0
98043	5	0.57%	23	0	0	0	0	0	0	0	0	0	0	0	0
98053	5	0.57%	25	0	0	0	0	0	0	0	0	0	0	0	0
98055	5	0.57%	10	4	5	0	0	0	0	0	2	0	0	0	2
98074	5	0.57%	24	0	0	0	0	0	0	0	0	0	0	0	0
98075	5	0.57%	21	0	0	0	0	0	0	0	2	0	0	0	0
98118	5	0.57%	23	0	0	0	0	0	0	0	1	1	0	0	0
98144	5	0.57%	25	0	0	0	0	0	0	0	0	0	0	0	0
98177	5	0.57%	16	3	0	0	0	0	0	0	0	0	0	0	0
98282	5	0.57%	13	5	4	0	0	0	0	0	2	0	0	0	0
98292	5	0.57%	16	5	0	0	2	0	0	0	0	0	0	0	0
98008	4	0.45%	15	0	0	4	0	0	1	0	0	0	0	0	0
98038	4	0.45%	6	0	14	0	0	0	0	0	0	0	0	0	2
98045	4	0.45%	9	5	2	0	0	0	0	0	4	0	0	0	0
98056	4	0.45%	8	2	4	0	5	0	0	0	1	0	0	0	0
98102	4	0.45%	18	1	0	0	0	0	0	0	1	0	0	0	0
98105	4	0.45%	10	6	0	0	0	0	0	0	0	1	0	0	3



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98116	4	0.45%	18	0	0	0	0	0	0	0	2	0	0	0	0
98252	4	0.45%	11	2	4	0	0	0	0	0	1	0	0	0	0
98040	3	0.34%	14	0	0	0	0	0	0	0	0	0	0	0	0
98108	3	0.34%	13	1	0	0	0	0	0	0	1	0	0	0	0
98109	3	0.34%	14	0	0	0	0	0	0	0	0	0	0	0	0
98119	3	0.34%	12	3	0	0	0	0	0	0	0	0	0	0	0
98121	3	0.34%	14	0	0	0	0	0	0	0	1	0	0	0	0
98199	3	0.34%	15	0	0	0	0	0	0	0	0	0	0	0	2
	2	0.23%	2	3	0	0	0	0	0	0	0	6	0	0	0
98004	2	0.23%	12	0	0	0	0	0	0	0	0	0	0	0	0
98020	2	0.23%	5	0	0	0	0	0	0	7	0	0	0	0	0
98023	2	0.23%	0	0	9	0	0	0	0	0	0	0	0	0	0
98030	2	0.23%	1	0	7	0	0	0	0	0	1	0	0	0	0
98031	2	0.23%	4	0	5	0	0	0	0	0	0	0	0	0	0
98032	2	0.23%	2	1	5	0	0	0	0	0	2	0	0	0	0
98065	2	0.23%	4	0	0	0	0	0	0	0	1	0	0	0	0
98106	2	0.23%	10	0	0	0	0	0	0	0	0	0	0	0	0
98166	2	0.23%	4	0	4	0	0	0	0	0	1	0	0	0	0
98249	2	0.23%	5	0	0	0	0	0	0	0	0	0	5	0	0
98260	2	0.23%	0	0	0	0	10	0	0	0	0	0	0	0	0
92683	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98001	1	0.11%	0	0	5	0	0	0	0	0	0	0	0	0	0
98002	1	0.11%	1	0	3	0	0	0	0	0	0	0	0	0	1
98007	1	0.11%	0	0	5	0	0	0	0	0	0	0	0	0	0
98010	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.11%	3	0	0	0	0	0	0	0	1	0	0	0	0
98024	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98050	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98059	1	0.11%	3	0	2	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98104	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98110	1	0.11%	0	0	0	0	0	0	0	0	0	0	1	0	4
98112	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98126	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98136	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98146	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98178	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98198	1	0.11%	3	0	0	0	0	0	0	0	3	0	0	0	0
98221	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98251	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98272	1	0.11%	3	1	0	0	0	0	0	0	1	0	0	0	0
98273	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98274	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98294	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98346	1	0.11%	0	0	0	0	0	0	0	0	2	0	0	0	0
98372	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98374	1	0.11%	1	0	4	0	0	0	0	0	0	0	0	0	0
98422	1	0.11%	0	0	0	0	0	0	0	0	0	0	0	0	5
98499	1	0.11%	0	0	0	0	3	0	0	0	0	0	0	0	2
98524	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98584	1	0.11%	2	0	0	0	0	0	0	0	0	0	0	0	0